REMARKS/ARGUMENTS

The Applicants have carefully considered this application in connection with the Examiner's Action and respectfully request reconsideration of this application in view of the foregoing amendment and the following remarks.

The Applicants originally submitted Claims 1-23 in the application. Presently, the Applicants have withdrawn Claims 11-13 in response to an Election Requirement, and have amended Claims 1 and 14. No other claims have been amended, cancelled or added. Accordingly, Claims 1-10 and 14-23 are currently pending in the application.

I. Election of Claims

The Applicants wish to acknowledge that they elected Claims 1-10 and 14-23, constituting Group 1, by phone on August 24, 2005. Accordingly, the Applicants have presently withdrawn Claims 11-13.

II. Rejection of Claims 1, 2, 14 and 15 under 35 U.S.C. §102

The Examiner has rejected Claims 1, 2, 14 and 15 under 35 U.S.C. §102(b) as being anticipated by U.S. Patent No 6,326,291 to Yu ("Yu"). Independent Claims 1 and 14 include the element, among others, of siliciding source/drain regions after siliciding the polysilicon gate electrode. Yu fails to disclose this element.

Yu is directed to the fabrication of wide metal silicided on a narrow polysilicon gate structure. (Title). Yu teaches, with respect to Figs. 5-9, that silicided source/drain regions 220, 222

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are formed before the silicided polysilicon gate electrode 240. Accordingly, Yu fails to teach the

aforementioned element of siliciding the source/drain regions after siliciding the polysilicon gate

electrode.

Therefore, Yu does not disclose each and every element of the claimed invention and as

such, is not an anticipating reference. Because Claims 2 and 15 are dependent upon Claims 1 and

14, Yu also cannot be an anticipating reference for Claims 2 and 15. Accordingly, the Applicants

respectfully request the Examiner to withdraw the §102 rejection with respect to these Claims.

III. Rejection of Claims 3, 4, 5, 16, 17 and 18 under 35 U.S.C. §103

The Examiner has rejected Claims 3, 4, 5, 16, 17 and 18 under 35 U.S.C. §103(a) as being

unpatentable over Yu in view of U.S. Patent No. 6,794,313 to Chang ("Chang"). As previously

indicated, independent Claims 1 and 14 include the element, among others, of siliciding source/drain

regions after siliciding the polysilicon gate electrode. As previously established, Yu fails to disclose

such an element. Yu further fails to suggest such an element. Yu fails to suggest such an element

because Yu requires that a very detailed and long process be used to manufacture its semiconductor

device, the detailed and long process requiring that the silicided source/drain regions 220, 222 be

formed prior to the silicided polysilicon gate electrode 240.

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Chang fails to correct the deficiences in Yu. The Examiner is offering Chang for the sole

proposition that a silicided blocking layer may be grown using a dry oxidation process, low

temperature radical oxidation or plasma oxidation process, as well as the thickness of the blocking

layers. Without even addressing the accuracy of this assertion, a teaching that a silicided blocking

layer may be grown using a dry oxidation process, low temperature radical oxidation or plasma

oxidation process, as well as the thickness of the blocking layers, is very different from a teaching or

suggestion of siliciding source/drain regions after siliciding the polysilicon gate electrode, as is

claimed. Accordingly, Chang also fails to teach or suggest this claimed element.

Thus, Yu, individually or in combination with Chang, fails to teach or suggest the invention

recited in independent Claims 1 and 14 and their dependent claims, when considered as a whole.

The combination, accordingly, also fails to establish a prima facie case of obviousness with respect

to these claims. Claims 3, 4, 5, 16, 17 and 18 are therefore not obvious in view of Yu and Chang.

In view of the foregoing remarks, the cited references do not support the Examiner's

rejection of Claims 3, 4, 5, 16, 17 and 18 under 35 U.S.C. §103(a). The Applicants therefore

respectfully request the Examiner withdraw the rejection.

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IV. Rejection of Claims 6 and 19 under 35 U.S.C. §103

The Examiner has rejected Claims 6 and 19 under 35 U.S.C. §103(a) as being unpatentable

over Yu in view of U.S. Patent App. No. 2005/0179098 to Chan, et al. ("Chan"). As previously

indicated, independent Claims 1 and 14 include the element, among others, of siliciding source/drain

regions after siliciding the polysilicon gate electrode. As previously established, Yu fails to teach or

suggest this element.

Chan fails to correct the deficiences in Yu. The Examiner is offering Chan for the sole

proposition that a hardmask layer comprising siliconoxynitride may be used as a protective layer.

Without even addressing the accuracy of this assertion, a teaching that a hardmask layer comprising

siliconoxynitride may be used as a protective layer, is very different from a teaching or suggestion of

siliciding source/drain regions after siliciding the polysilicon gate electrode, as is claimed.

Accordingly, Chan also fails to teach or suggest this claimed element.

Thus, Yu, individually or in combination with Chan, fails to teach or suggest the invention

recited in independent Claims 1 and 14 and their dependent claims, when considered as a whole,

The combination, accordingly, also fails to establish a prima facie case of obviousness with respect

to these claims. Claims 6 and 19 are therefore not obvious in view of Yu and Chan.

In view of the foregoing remarks, the cited references do not support the Examiner's

rejection of Claims 6 and 19 under 35 U.S.C. §103(a). The Applicants therefore respectfully request

the Examiner withdraw the rejection.

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V. Rejection of Claims 7, 8, 20 and 21 under 35 U.S.C. §103

The Examiner has rejected Claims 7, 8, 20 and 21 under 35 U.S.C. §103(a) as being

unpatentable over Yu in view Chan, and further in view of U.S. Patent App. No. 2001/0034129 to

Moore, et al. ("Moore"). As previously indicated, independent Claims 1 and 14 include the element,

among others, of siliciding source/drain regions after siliciding the polysilicon gate electrode. As

previously established, Yu and Chan, alone or in combination, fail to teach or suggest this element.

Moore fails to correct the deficiencies of Yu and/or Chan. The Examiner is offering

Moore for the sole proposition that the sidewall spacer may comprise a nitride, the different nitride

composition of the spacer and the protective layer, and the nitride carbon content of 5-10%. Without

even addressing the accuracy of this assertion, a teaching that the sidewall spacer may comprise a

nitride, the different nitride composition of the spacer and the protective layer, and the nitride carbon

content of 5-10%, is very different from a teaching or suggestion of siliciding source/drain regions

after siliciding the polysilicon gate electrode, as is claimed. Accordingly, Moore also fails to teach

or suggest this claimed element.

Thus, Yu, individually or in combination with Chan and Moore, fails to teach or suggest

the invention recited in independent Claims 1 and 14 and their dependent claims, when considered as

a whole. The combination, accordingly, also fails to establish a prima facie case of obviousness with

respect to these claims. Claims 7, 8, 20 and 21 are therefore not obvious in view of Yu, Chan and

Moore.

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In view of the foregoing remarks, the cited references do not support the Examiner's

rejection of Claims 7, 8, 20 and 21 under 35 U.S.C. §103(a). The Applicants therefore respectfully

request the Examiner withdraw the rejection.

VI. Rejection of Claims 9 and 22 under 35 U.S.C. §103

The Examiner has rejected Claims 9 and 22 under 35 U.S.C. §103(a) as being unpatentable

over Yu. As previously indicated, independent Claims 1 and 14 include the element, among others,

of siliciding source/drain regions after siliciding the polysilicon gate electrode. As previously

established, Yu fails to teach or suggest this element. Because Yu fails to teach or suggest an

element of independent Claims 1 and 14, Yu must also fail to teach or suggest an element of

dependent Claims 9 and 22. Claims 9 and 22 are therefore not obvious in view of Yu and Chan.

In view of the foregoing remarks, the cited reference does not support the Examiner's

rejection of Claims 9 and 22 under 35 U.S.C. §103(a). The Applicants therefore respectfully request

the Examiner withdraw the rejection.

VII. Rejection of Claims 10 and 23 under 35 U.S.C. §103

The Examiner has rejected Claims 10 and 23 under 35 U.S.C. §103(a) as being

unpatentable over Yu in view of Chan. As previously indicated, independent Claims 1 and 14

include the element, among others, of siliciding source/drain regions after siliciding the polysilicon

gate electrode. As previously established, Yu and Chan, whether alone or in combination, fail to

teach or suggest this element. Claims 10 and 23 are therefore not obvious in view of Yu and Chan.

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In view of the foregoing remarks, the cited references do not support the Examiner's

rejection of Claims 10 and 23 under 35 U.S.C. §103(a). The Applicants therefore respectfully

request the Examiner withdraw the rejection.

VIII. Conclusion

In view of the foregoing amendment and remarks, the Applicants now see all of the Claims

currently pending in this application to be in condition for allowance and therefore earnestly solicit a

Notice of Allowance for Claims 1-10 and 14-23.

The Applicants request the Examiner to telephone the undersigned attorney of record at

(972) 480-8800 if such would further or expedite the prosecution of the present application. The

Commissioner is hereby authorized to charge any fees, credits or overpayments to Deposit Account

20-0668.

Respectfully submitted,

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